

Slots & Dots - Dots

Accents/Pendants (for S&D 48V Track System)



PROJECT:

TYPE:

Features

Slots & Dots, a 48V Track lighting system, connects all the dots for architects and lighting designers: color, comfort, controls and configurability. Slots & Dots is an easily configurable low voltage track lighting system that creates visual ambience for hospitality, residential, commercial and retail environments. Featuring surface, recessed or pendant mounting options, with easy light module in linear and accent that can be easily snapped in and out as needed. Slots are made up of linear modules to create visual interest, wall grazing and glare free accent. Dots deliver focused beams of light from either an accent pendant or surface mounted accent that bring items into focus.

Product Overview

Type:	48V Track Accent or Pendant Module
Wattage:	DOT-A1x/P1: 7W DOT2-Ax/P: 8W, 10W, 12W, 14W, 16W, 22W DOT2-Ax/P-SNSP: 8W
Color Temp:	DOT-A1x/P1: 3500K-80, 4000K-80, 2700K-90+, 3000K-90+ DOT2-Ax/P: 2700K-90+, 3000K-90+, 3500K-90+, 4000K-90+, 3K Class A DOT2-Ax/P-SNSP: 2400K-90+, 2700K-90+, 3000K-90+, 3500K-90+, 4000K-90+
CRI:	80 or 90+ typ. (consult ordering information)
Dimming:	DALI 1% Dim 0-10V 1% dim
Weight:	DOT-A1x: 0.4 lbs; DOT-P1: 0.6 lbs DOT2-Ax: 0.8 lbs; DOT2-P: 1.1 lbs



DOT-A1L



DOT2-AL



DOT-A1D



DOT2-AD



DOT-P1



DOT2-P

Certifications



5 year limited warranty
AMERLUX LED

Fixture Summary

Performance Data

Watts	Delivered Lumens	LPW	Color Temp
DOT-A1x/P1			
7	391	55.9	3000K-90+
DOT2-Ax/P			
8	946	118.3	3000K-90+
10	1276	127.6	3000K-90+
12	1386	115.5	3000K-90+
14	1584	113.1	3000K-90+
16	1804	112.8	3000K-90+
22	2200	100	3000K-90+
DOT2-Ax/P (SNSP)			
8	522	65	3000K-90+

Data is based on 3000K-90 120V IES files available on website.

NOTE: For use with Amerlux Slots & Dots Low Voltage Track

See separate spec sheets for track versions:

[SD-TSD deep profile pendant/surface track](#)

[SD-TRD deep profile recessed track](#)

[SD-TSL low profile pendant/surface track](#)

[SD-TRL low profile recessed track](#)



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PROJECT:

TYPE:

Ordering Information - Small Accent/Pendant Module

T ²⁴ JA8/Title 24 compliant.					
1	Model		2	Finish	
	DOT-A1L small accent for low profile track DOT-A1D small accent for deep profile track DOT-PI small pendant with 10' field adjustable cord			MW matte white MB matte black	
			3	Beam Spread	
				SP spot, 13° NF narrow flood, 18° FL flood, 28°	
4	Color Temp-CRI		5	Driver	
	80 CRI 90+ CRI ^{T²⁴} 35 3500K-80 279 2700K-90+ 40 4000K-80 309 3000K-90+			DALI DALI driver, 1% dim (<i>standard</i>) O-10V ^{T²⁴} 0-10V driver, 1% dim	
			6	Options/Accessories (<i>not JA8/Title 24 compliant</i>)	
				AH accessory holder HEX hexcell louver (<i>requires AH</i>)	

Ordering Information - Large Accent/Pendant Module

1

2

3

4

5

6

7

1

Model

DOT2-AL

large accent for low profile track

DOT2-AD

large accent for deep profile track

DOT2-P

large pendant with 10' field adjustable cord

2

Wattage

8

8W (946 lm)

10

10W (1276 lm)

12

12W (1386 lm)

14

14W (1584 lm)

16

16W (1804 lm)

22

22W (2200 lm)

3

Finish

MW

matte white

MB

matte black

4

Beam Spread

20D

narrow flood, 20°

30D

flood, 30°

40D

wide flood, 40°

50D

very wide flood, 50°

LS

linear spread, 60°x10° (reduces # of accessories by 1, if applicable)

5

Color Temp-CRI

90+ CRI

T24

279

2700K-90+

3CLA

3K Class A

309

3000K-90+

359

3500K-90+

409

4000K-90+

6

Driver

DALI

DALI driver, 1% dim (standard)

O-10V

T24

O-10V driver, 1% dim

7

Options/Accessories (not JA8/Title 24 compliant)

(standard front door accepts up to 2 accessories)

SN

snoot (accepts up to 2 accessories or cross blade + 1 accessory)

HEX

hexcell louver

SOL

solite beam softening lens

CB

cross blade (requires snoot)

JA8

TITLE 24

T24 JA8/Title 24 compliant.

^{T²⁴} JA8/Title 24 Compliant

Slots & Dots - Dots

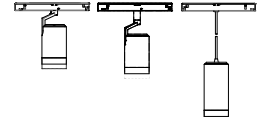
Accents/Pendants (for S&D 48V Track System)



PROJECT:

TYPE:

Ordering Information - Large Accent/Pendant Module with Super Narrow Spot



1	Model	2	Wattage	3	Finish
	DOT2-AL-SNSP large accent for low profile track	8 8W (522 lm)		MW matte white	
	DOT2-AD-SNSP large accent for deep profile track			MB matte black	
	DOT2-P-SNSP large pendant with 10' field adjustable cord				
4	Color Temp-CRI	5	Driver	6	Options/Accessories (not JAB/Title 24 compliant)
	90+ CRI		DALI DALI driver, 1% dim (standard)		(standard front door accepts up to 2 accessories)
	249 2400K-90+		0-10V 0-10V driver, 1% dim		SN snoot (accepts up to 2 accessories or cross blade + 1 accessory)
	279 2700K-90+				HEX hexcell louver
	309 3000K-90+				SOL solite beam softening lens
	359 3500K-90+				CB cross blade (requires snoot)
	409 4000K-90+				

Slots & Dots - Dots

Accents/Pendants (for S&D 48V Track System)



PROJECT:

TYPE:

Specifications

Application

Hospitality and retail task lighting

Construction

Complete die-cast optical head construction
No exposed wiring

Optical

Tilt: 0-90° (for accent head)

Rotation: 360°+ (for accent head)

Beam Spreads:

DOT-A1x/P1: Spot 13°; Narrow Flood 18°; Flood 28°

DOT2-Ax/P: Narrow Flood 20°; Flood 30°; Wide Flood 40°;

Very Wide Flood 50°; Linear Spread 60° x 10°

DOT2-Ax/P-SNSP: Super Narrow Spot 10°

LED

Color Temp-CRI Options:

DOT-A1x/P1: 3500K-80, 4000K-80, 2700K-90+, 3000K-90+

DOT2-Ax/P: 2700K-90+, 3000K-90+, 3500K-90+, 4000K-90+,
3K Class A*

DOT2-Ax/P-SNSP: 2400K-90+, 2700K-90+, 3000K-90+,
3500K-90+, 4000K-90+

R9 Values:

Small Accents: 7 (80 CRI), 77 (90+ CRI)

Large Accents: 55 (90+ CRI)

Binning: 3 MacAdam (SDCM)

Life: 50,000+ hrs, > 70% of initial lumens at 50,000 hrs

* Class A LED: Class A LED's have a CRI > 80 and a GAI > 80. CRI defines color "Naturalness" and GAI defines color "Saturation." Both being high delivers rich colors and pure whites.

Electrical

Wattage:

DOT-A1x/P1: 7W

DOT2-Ax/P: 10W, 12W, 14W, 16W, 22W

DOT2-Ax/P-SNSP: 8W

Electronic constant current LED driver, 48V input 18AWG, 15 Amp

Drivers

DALI driver, 1% dimming

0-10V driver, 1% dim

Finish

Powder coat paint, matte black or matte white

Mounting

A mechanical adapter allows for a quick and tool-less mounting to Amerlux's 48V track system, which saves times during installation and allows for easy reconfiguration

Certifications

CSA listed

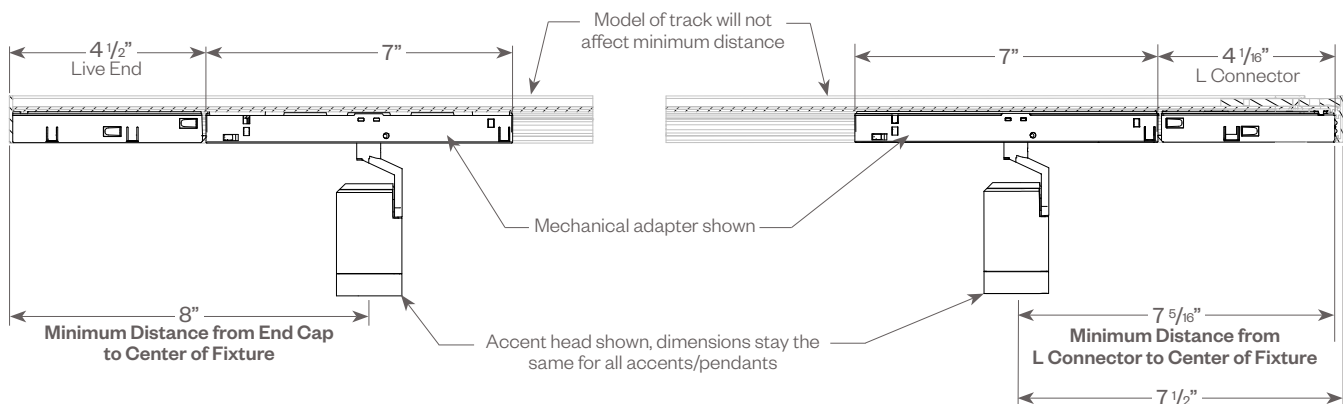
Indoor use only

JA8/Title 24 Compliant (see ordering page for options that apply)

Warranty

5 year limited warranty

Minimum Distance with Live End & L Connector



Slots & Dots - Dots

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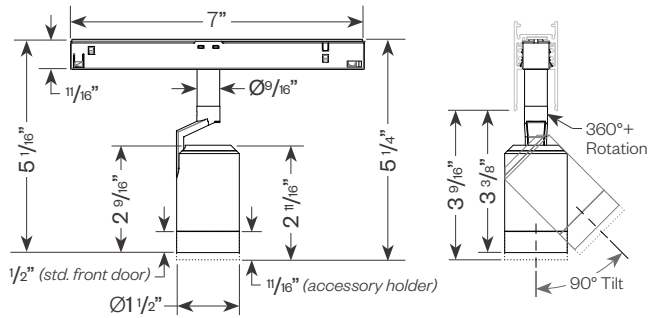


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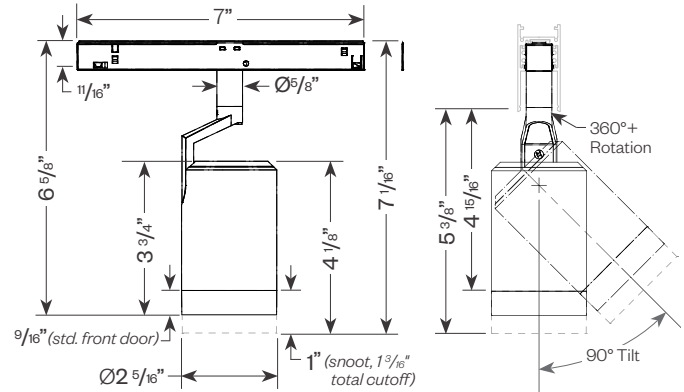
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Product Details - For S&D 48V Deep Profile Pendant/Surface Track (SD-TSD)

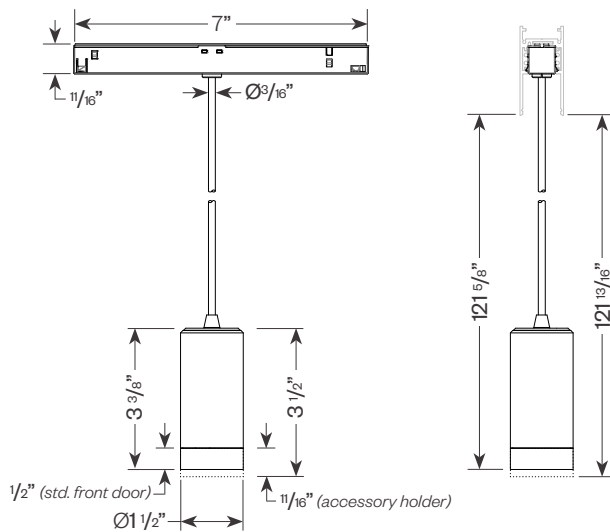
DOT-A1D



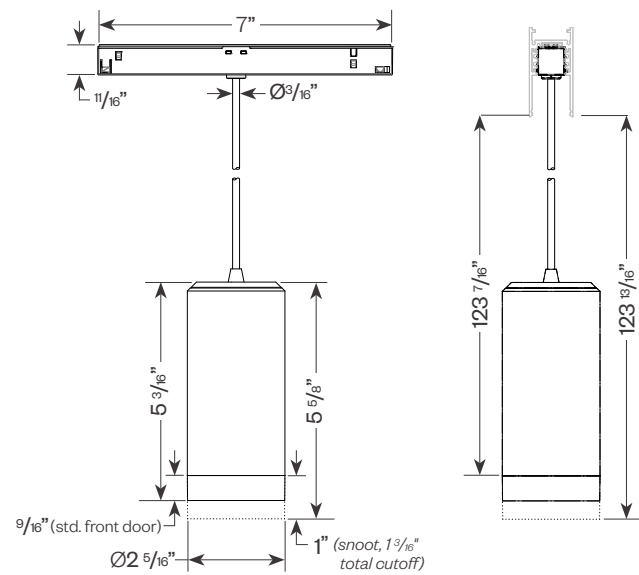
DOT2-AD



DOT-P1



DOT2-P



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Accents/Pendants (for S&D 48V Track System)

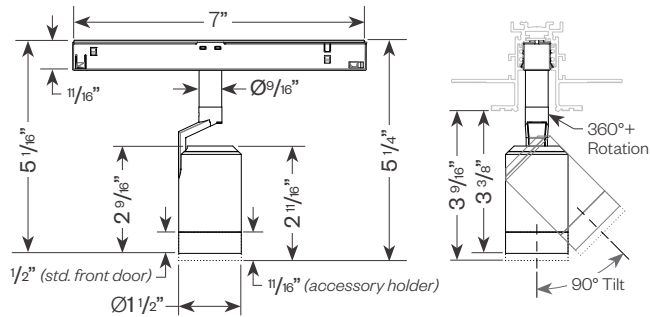


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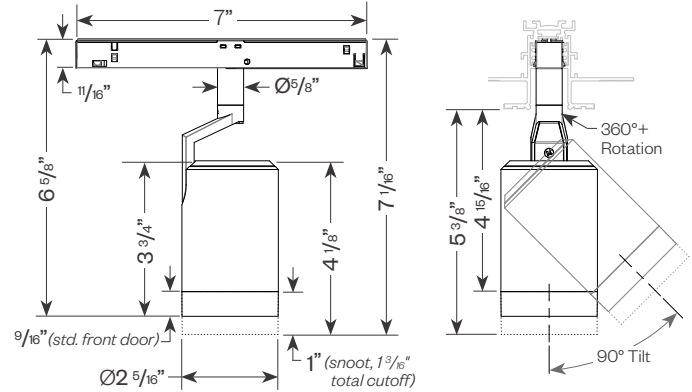
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Product Details - For S&D 48V Deep Profile Recessed Track (SD-TRD)

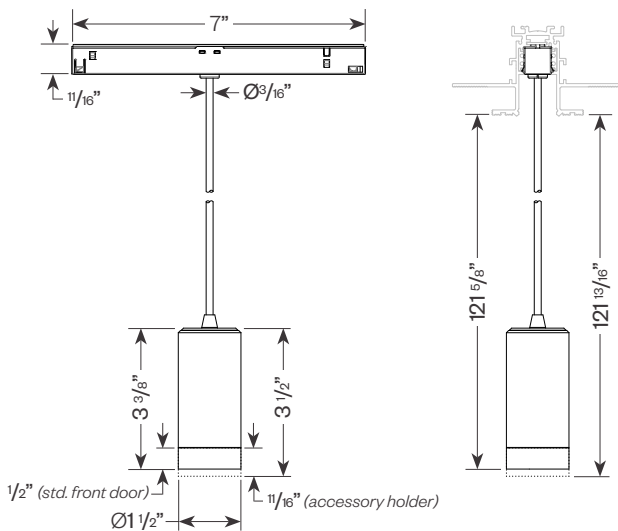
DOT-A1D



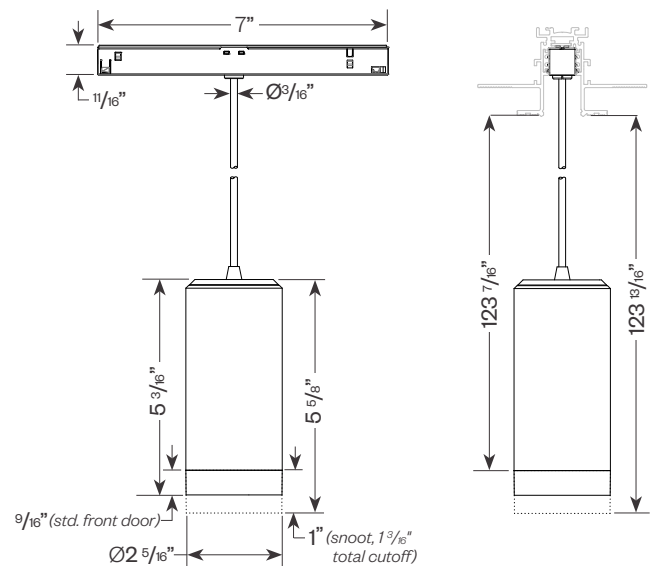
DOT2-AD



DOT-P1



DOT2-P



Slots & Dots - Dots

Accents/Pendants (for S&D 48V Track System)

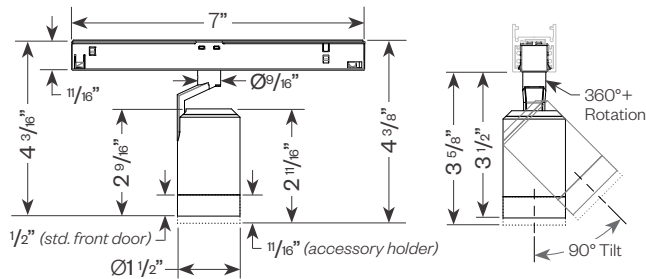


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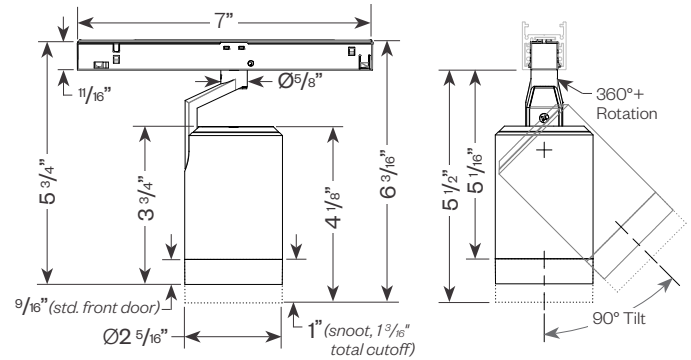
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Product Details - For S&D 48V Low Profile Pendant/Surface Track (SD-TSL)

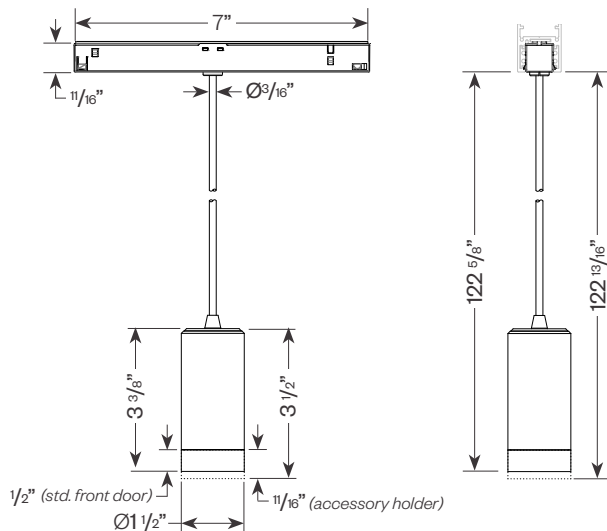
DOT-A1L



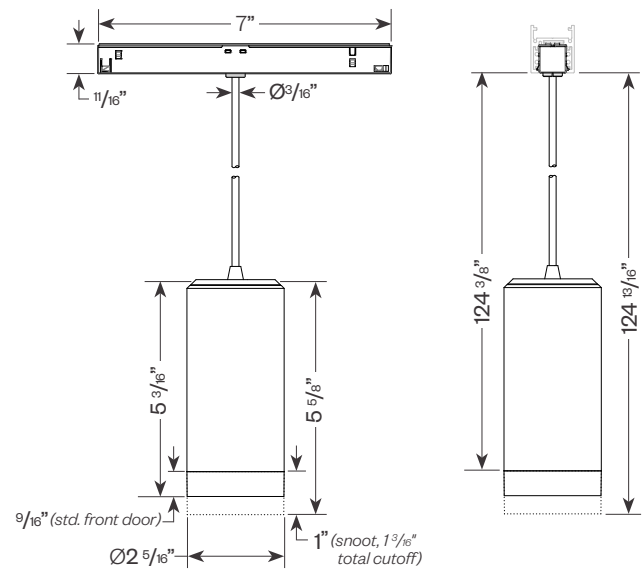
DOT2-AL



DOT-P1



DOT2-P



Slots & Dots - Dots

Accents/Pendants (for S&D 48V Track System)

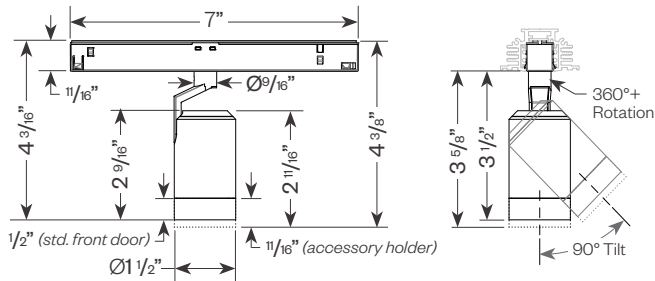


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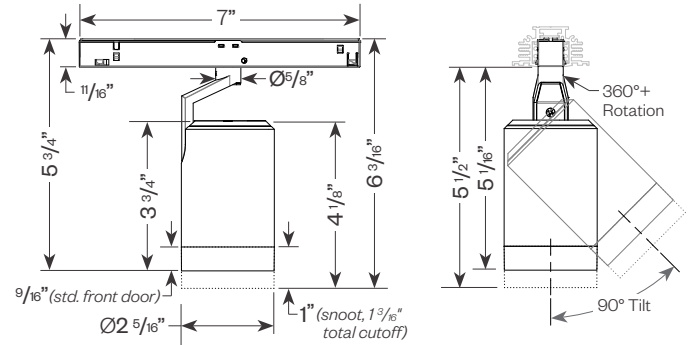
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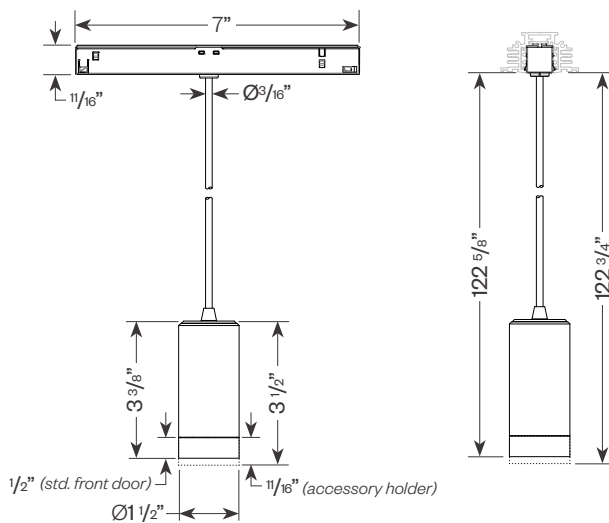
DOT-A1L



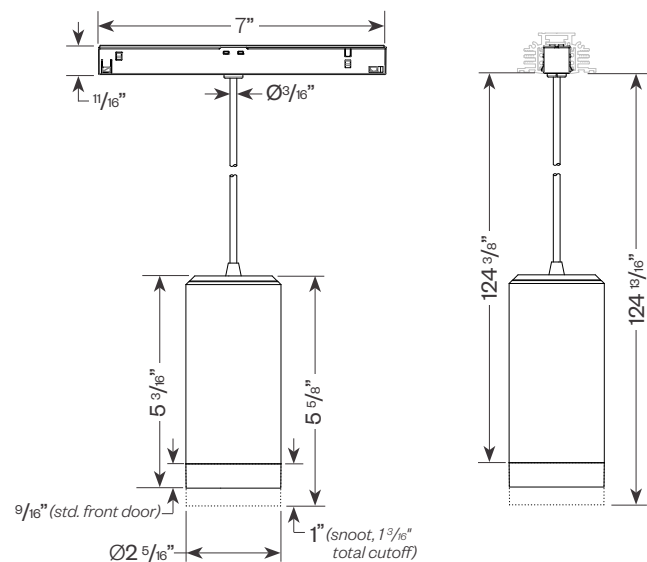
DOT2-AL



DOT-P1



DOT2-P



Slots & Dots - Dots

Accents/Pendants (for S&D 48V Track System)



PROJECT:

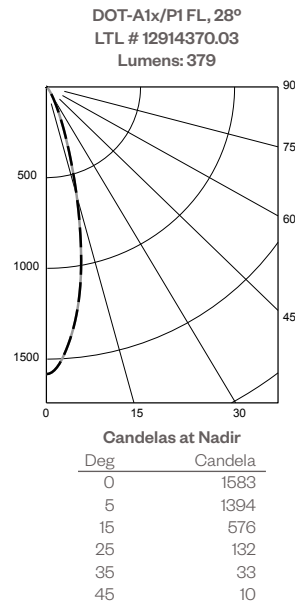
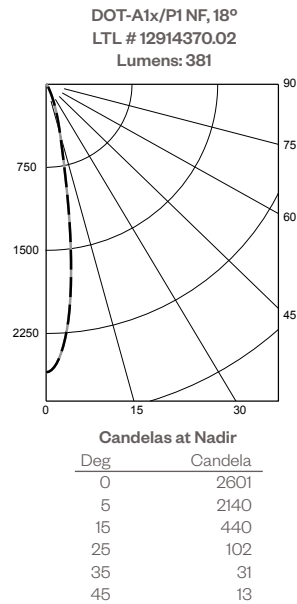
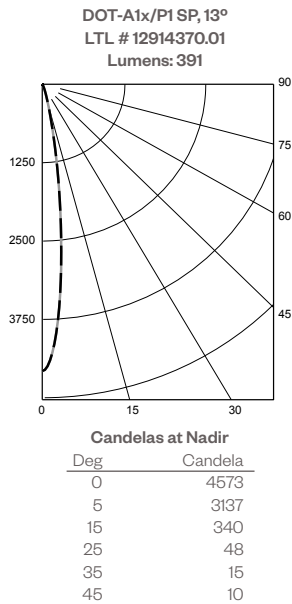
TYPE:

Performance Data - Small Accent (DOT-A1x/P1)

Multiplying Factors: (Multiplying Factor is based on 3000K-90 120V IES file on website)

OCT:	3500K-80	4000K-80	2700K-90+	3000K-90+
Factor:	1.20	1.25	0.96	1.0

7W LED, 3000K-90+



Application Data - Small Accent (DOT-A1x/P1)

Notes and Definitions:

Beam spread is to 50% center beam candlepower (CBCP).

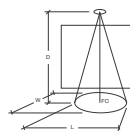
D=Distance to floor or wall.

FC=Footcandles on floor or wall at center beam aiming location.

L=Effective Visual Beam length in feet (50% of maximum footcandle level).

W=Effective Visual Beam width in feet (50% of maximum footcandle level).

CB=Distance across or down to center beam location.



0° Aiming Angle
Horizontal
Footcandles

	D	FC	L	W
Spot	5.0'	102	1.6	1.6
	7.5'	60	2.2	2.2
	10.0'	38	2.8	2.8
	12.5'	26	3.3	3.3
Narrow Flood	5.0'	71	1.9	1.9
	7.5'	39	2.6	2.6
	10.0'	23	3.3	3.3
	12.5'	16	3.9	3.9
Flood	5.0'	50	2.5	2.5
	7.5'	25	3.4	3.4
	10.0'	15	4.5	4.5
	12.5'	10	5.5	5.5

Slots & Dots - Dots

Accents/Pendants (for S&D 48V Track System)



PROJECT:

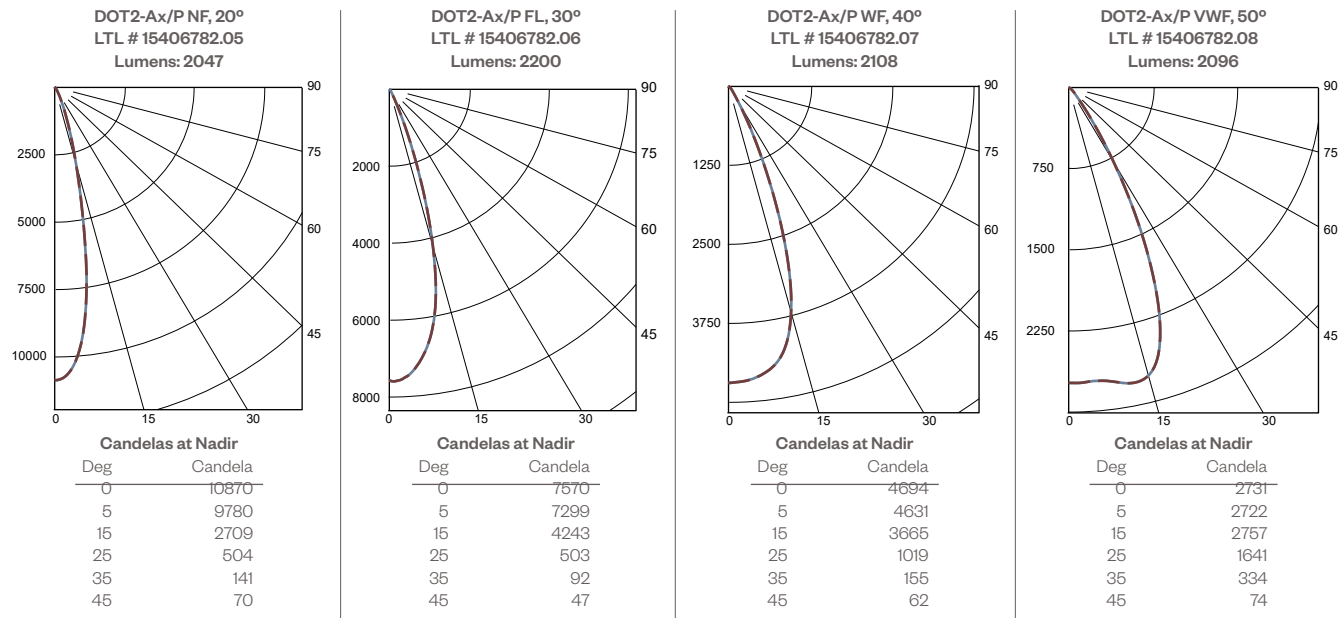
TYPE:

Performance Data - Large Accent (DOT2-xx) (continued)

Multiplying Factors: (Multiplying Factor is based on 3000K-90 120V IES file on website)

Wattage:	8W	10W	12W	14W	16W	22W	CCT:	2700K-90+	3000K-90+	3500K-90+	4000K-90+	3CLA
Factor:	0.43	0.58	0.63	0.72	0.82	1.0	Factor:	1.005	1.000	1.016	1.029	0.667

22W LED, 3000K-90+



Application Data - Large Accent (DOT2-xx) (continued)

Notes and Definitions:

Beam spread is to 50% center beam candlepower (CBCP).

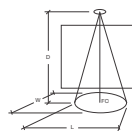
D=Distance to floor or wall.

FC=Footcandles on floor or wall at center beam aiming location.

L=Effective Visual Beam length in feet (50% of maximum footcandle level).

W=Effective Visual Beam width in feet (50% of maximum footcandle level).

CB=Distance across or down to center beam location.



0° Aiming Angle Horizontal Footcandles				0° Aiming Angle Horizontal Footcandles				0° Aiming Angle Horizontal Footcandles				0° Aiming Angle Horizontal Footcandles			
D	FC	L	W	D	FC	L	W	D	FC	L	W	D	FC	L	W
5.0'	338	2.2	2.2	5.0'	272	2.8	2.8	5.0'	177	3.3	3.3	5.0'	107	4.5	4.5
7.5'	173	3.0	3.0	7.5'	129	4.1	4.1	7.5'	81	5.0	5.0	7.5'	48	6.8	6.8
10.0'	102	3.8	3.8	10.0'	74	5.4	5.4	10.0'	46	6.8	6.8	10.0'	27	9.0	9.0
12.5'	67	4.8	4.8	12.5'	48	6.8	6.8	12.5'	30	8.5	8.5	12.5'	18	11.3	11.3

Slots & Dots - Dots

Accents/Pendants (for S&D 48V Track System)



PROJECT:

TYPE:

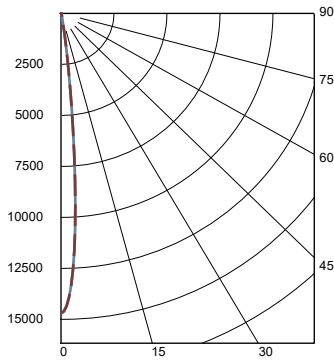
Performance Data - Large Accent with Super Narrow Spot (DOT2-xx)

Multiplying Factors: (Multiplying Factor is based on 3000K-90 120V IES file on website)

CCT:	2400K-90+	2700K-90+	3000K-90+	3500K-90+	4000K-90+
Factor:	0.82	0.96	1.0	1.05	1.07

8W LED, 3000K-90+

DOT2-Ax/P SNSP, 10°
LTL # 15175288.01
Lumens: 522



Candelas at Nadir

Deg	Candela
0	14700
5	6914
15	173
25	46
35	9
45	3

Application Data - Large Accent (DOT2-xx)

Notes and Definitions:

Beam spread is to 50% center beam candlepower (CBCP).

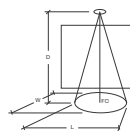
D=Distance to floor or wall.

FC=Footcandles on floor or wall at center beam aiming location.

L=Effective Visual Beam length in feet (50% of maximum footcandle level).

W=Effective Visual Beam width in feet (50% of maximum footcandle level).

CB=Distance across or down to center beam location.



0° Aiming Angle
Horizontal
Footcandles

D	FC	L	W
5.0'	210	1.3	1.3
7.5'	151	1.5	1.5
10.0'	106	1.9	1.9
12.5'	76	2.4	2.4



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PROJECT:

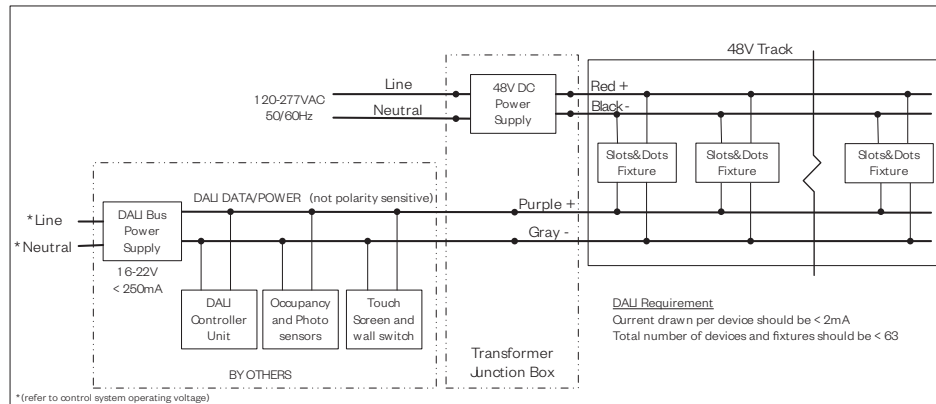
TYPE:

Dimming Compatibility

Amerlux® Slots & Dots 48V system is compatible with DALI system. Please see below for wiring diagrams. Amerlux recommends testing your unique dimming configuration as the exact full configuration (*Dimmer, Fixture Quantity, Voltage, etc*) may affect dimming performance.

--- NOTE: INFORMATION BELOW IS FOR WIRED DIMMERS ONLY. FOR WIRELESS DIMMERS, CONSULT FACTORY ---

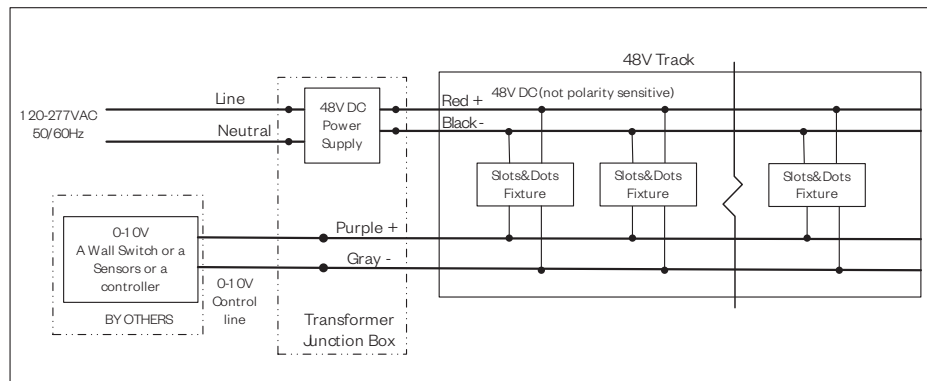
Wired Control - DALI



Suggested Switches for Wired Connection

Manufacturer	Model	Description
Loytec DALI PSU	L-DALI-PWR2-U	DALI Bus Power Supply, 85-240VAC input, 2 channel DALI PSU, 116 mA per channel
Loytec Controller	L-DALI-ME204-U	DALI Controller, 4 channel DALI
Loytec Controller	L-DALI-ME201-U	DALI Controller, 1 DALI channel with integrated DALI power supply
B.E.G	PP-DALI-PS	DALI Bus Power Supply, 120-277VAC input, 100 mA bus power

Wired Control - 0-10V



Notes:

- 120V or 277V*
- Dims down to 1% light output
- Requires interface to turn off power to driver
- Consult Dimming manufacturer for installation instructions - DO NOT SHARE NEUTRALS!

Compatible Dimmers†:

Wall Box	Central System
Lutron "Diva" - DVSTV	Leviton Renoir II 0-10V
	Lutron Grafik Eye with GRX-TVI Interface

Notes:

* Driver is 277VAC dimmable with appropriate dimmer (*by others*). All provided wiring diagrams show 120VAC wiring colors and method. Please refer to 277VAC dimmer installation instructions for 277VAC wiring diagrams.

† The absence of a dimmer from the lists above does not imply incompatibility. Please consult factory for compatibility inquiries.